



- NOTES**
1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
 2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.
 3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

- LEGEND**
- Soil Sample Location - Not Sampled for Parameter
 - Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 100 mg/kg)
 - Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 100 mg/kg)



Foth Infrastructure & Environment, LLC				
REVISED	DATE	BY	DESCRIPTION	
CHECKED BY:		JSL	DATE: AUG '07	
APPROVED BY:		SVD1	DATE: AUG '07	
APPROVED BY:			DATE:	

Kennecott
Eagle Minerals

FIGURE 3-10
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL SOIL SAMPLE LOCATIONS
NICKEL IN SOIL

Scale: 0 150 300 Feet	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003



NOTES

1. Aerial photography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.

2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.

3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

Soil Sample Location - Not Sampled for Parameter

Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 4.5 mg/kg)

Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 4.5 mg/kg)



Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY:		JSL	DATE: AUG '07
APPROVED BY:		SVD1	DATE: AUG '07
APPROVED BY:			DATE:

FIGURE 3-11
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL SOIL SAMPLE LOCATIONS
SILVER IN SOIL

Scale: 0 150 300 Feet

Prepared by: DAT

Date: AUGUST 2007

Project No: 06W003



NOTES

1. Aerial photography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Soil Sample Location - Not Sampled for Parameter
- Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 30 mg/kg)
- Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 30 mg/kg)

M:\06w003\mxd\Phase2\kmc_humboldt_Sampling_Soil_Historical_Chromium_Fig3-12_11x17.mxd August 1, 2007



Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION
CHECKED BY:		JSL	DATE: AUG '07
APPROVED BY:		SVD1	DATE: AUG '07
APPROVED BY:			DATE:



FIGURE 3-12 HUMBOLDT MILL PROJECT - PHASE II ESA HISTORICAL SOIL SAMPLE LOCATIONS CHROMIUM IN SOIL

Scale: 0 150 300 Feet	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Soil Sample Location - Not Sampled for Parameter
- Soil Sample Location - Sample Below Direct Contact Criteria (< 400 mg/kg)
- Soil Sample Location - Sample Above Direct Contact Criteria (> 400 mg/kg)



Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION
CHECKED BY: JSL			DATE: AUG '07
APPROVED BY: SVD1			DATE: AUG '07
APPROVED BY:			DATE:



FIGURE 3-13 HUMBOLDT MILL PROJECT - PHASE II ESA HISTORICAL SOIL SAMPLE LOCATIONS LEAD IN SOIL

Scale: 0 150 300 Feet
Date: AUGUST 2007
Prepared by: DAT
Project No: 06W003



NOTES

- Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
- Horizontal datum based on NAD 83/96.
- Horizontal coordinates based on Michigan State Plane North.
- Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Soil Sample Location - Not Sampled for Parameter
- Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 8,000 mg/kg)
- Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 8,000 mg/kg)



Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY:		JSL	DATE: AUG '07
APPROVED BY:		SVD1	DATE: AUG '07
APPROVED BY:			DATE:

Kennecott
Eagle Minerals

FIGURE 3-14
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL SOIL SAMPLE LOCATIONS
MAGNESIUM IN SOIL

Scale: 0 150 300 Feet

Prepared by: DAT

Date: AUGUST 2007


Project No: 06W003



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

 Groundwater Monitoring Well

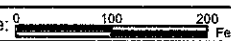


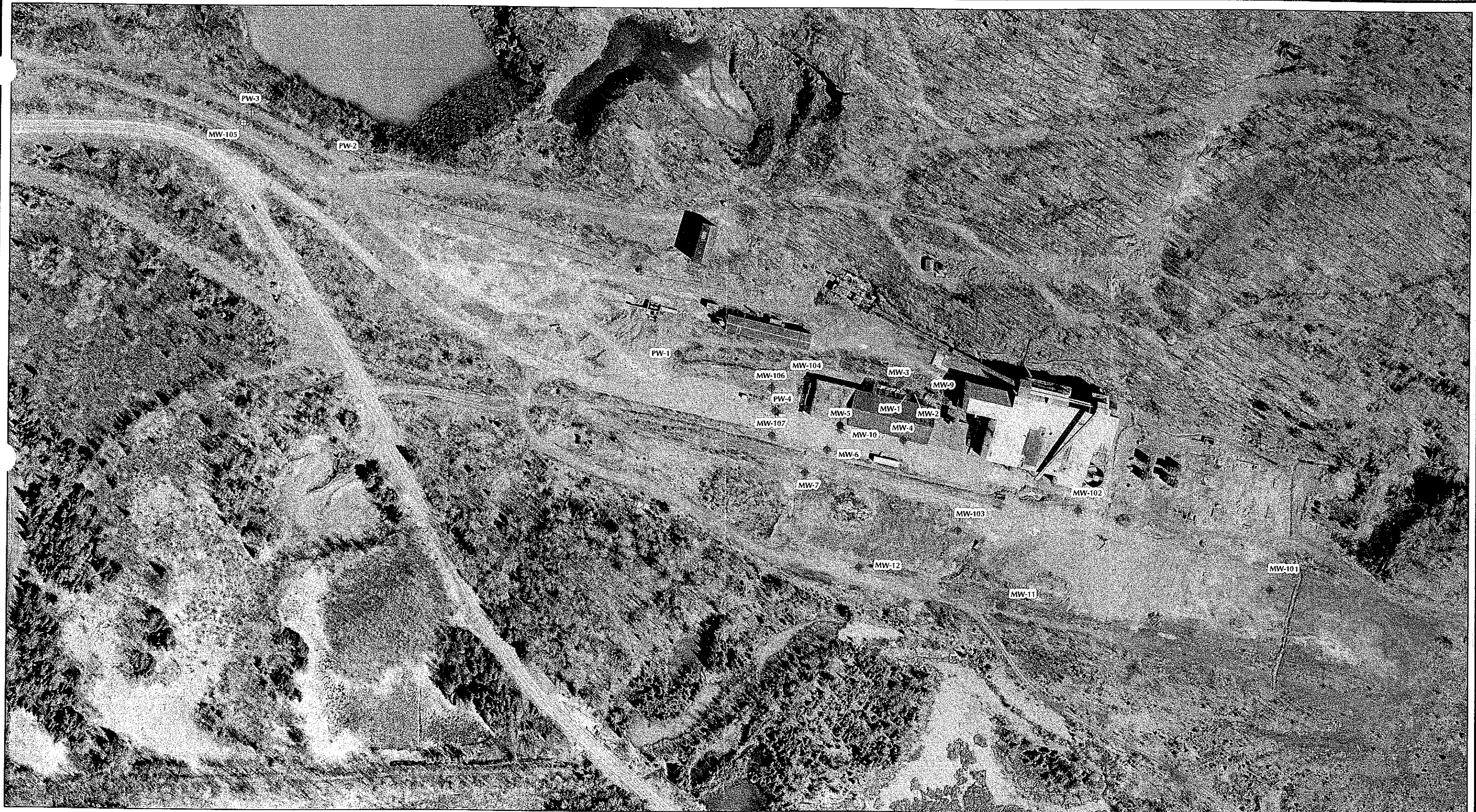
Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION
CHECKED BY: JSL			DATE: AUG. '07
APPROVED BY: SVD1			DATE: AUG. '07
APPROVED BY:			DATE:



FIGURE 3-15
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL GROUNDWATER SAMPLING

Scale: 	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003



NOTES

1. Aerial photography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

- LEGEND**
- Groundwater Monitoring Well - Not Sampled for Parameter
 - Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 5 ug/L)
 - Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 5 ug/L)



Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY: JSL		DATE: AUG. '07	
APPROVED BY: SVD1		DATE: AUG. '07	
APPROVED BY:		DATE:	

Kennecott
Eagle Minerals

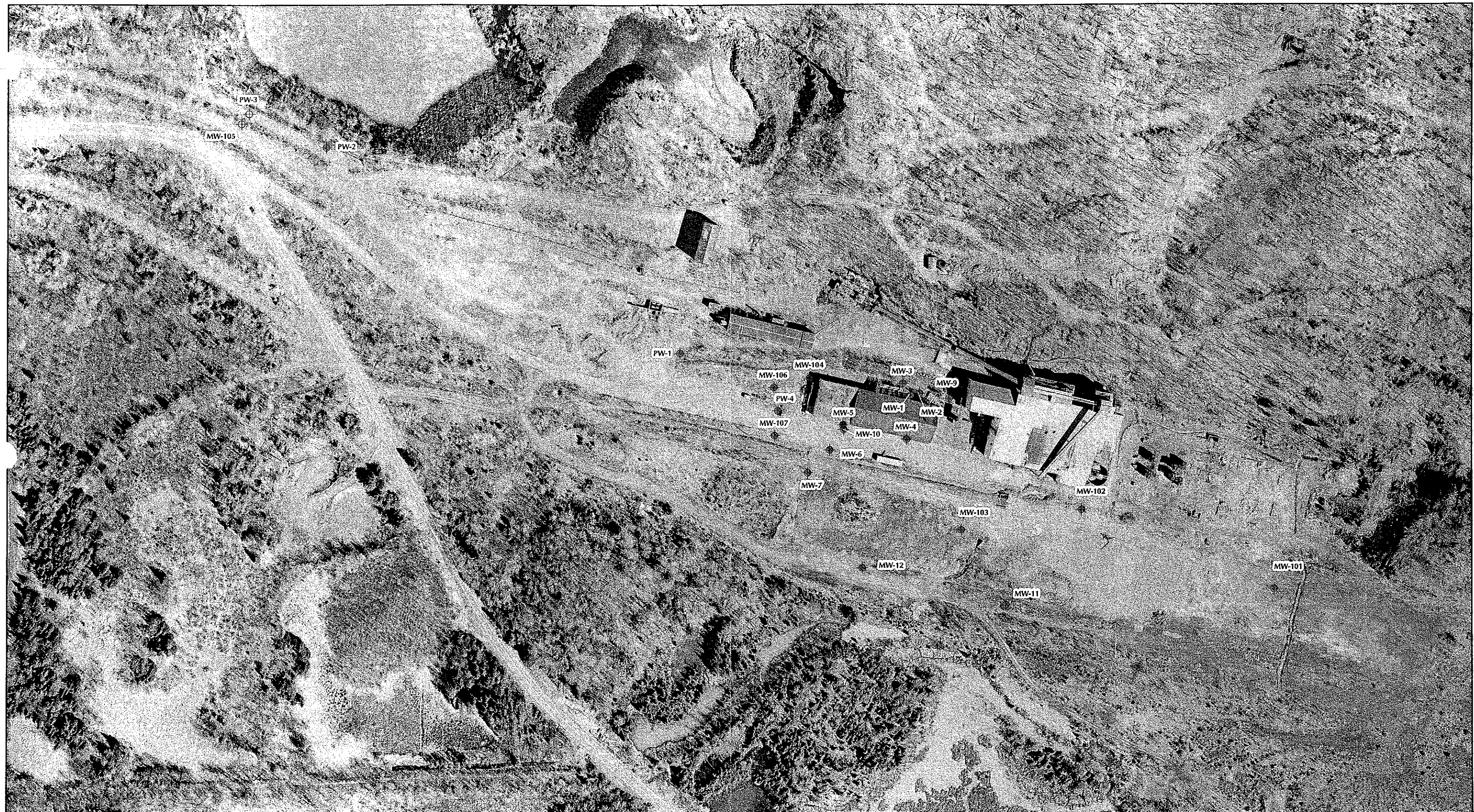
FIGURE 3-16
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL GROUNDWATER SAMPLING
BENZENE

Scale: 0 100 200 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W003



NOTES

- 1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
- 2. Horizontal datum based on NAD 83/98.
- 3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 74 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 74 ug/L)



Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY:		JSL	DATE: AUG. '07
APPROVED BY:		SVD1	DATE: AUG. 07
APPROVED BY:			DATE:



FIGURE 3-17 HUMBOLDT MILL PROJECT - PHASE II ESA HISTORICAL GROUNDWATER SAMPLING ETHYLBENZENE		
Scale:	Date: AUGUST 2007	
Prepared by: DAT	Project No: 06W003	



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
3. Horizontal coordinates based on Michigan State Plane North.
4. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 280 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 280 ug/L)



Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION
CHECKED BY:		JSL	DATE: AUG. '07
APPROVED BY:		SVD1	DATE: AUG. '07
APPROVED BY:			DATE:



FIGURE 3-18
HUMBOLDT MILL PROJECT - PHASE II ESA
HISTORICAL GROUNDWATER SAMPLING
XYLENES

Scale: 0 100 200 Feet	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003